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(54) Title: DEVICE FOR SENSING OF MOTILE LIVING ORGANISMS AND USES THEREOF

(57) Abstract: The present invention relates to the field of devices for studying behaviour of motile living organisms in a multi-  
plexed array format. The present invention provides devices comprising a solid porous support having first and second surfaces,  
said first surface comprising an agent and/or condition delineating behavioural and/or physical barriers for motile living organisms,  
and, where behavioural, said barriers adapted for sensing by said living organisms and hence forcing said living organisms to remain  
localized within a predefined region of said support. In addition the invention provides methods for screening test molecules or  
effector molecules which affect behaviour, motility and/or health of a motile living organism.

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